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OM nucleic - nucleic search, using sw model

Run on: August 13, 2005, 20:15:24 ; Search time 111 Seconds
(without alignments)
3184.106 Million cell updates/sec

Title: US-09-446-628-1

Perfect score: 216
Sequence: 1 gctaacgacatcttaagc.....tgagcatctgaagacatc 216

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents NA: *
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6: /cgn2_6/prodata/1/ina/Backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	180.4	83.5	601	4 US-09-949-016-18686	Sequence 18686, A
C 2	180.4	83.5	601	4 US-09-949-016-111561	Sequence 111561, A
C 3	180.4	83.5	601	4 US-09-949-016-111709	Sequence 111709, A
C 4	180.4	83.5	601	4 US-09-949-016-111855	Sequence 111855, A
C 5	180.4	83.5	601	4 US-09-949-016-112000	Sequence 112000, A
C 6	180.4	83.5	113876	4 US-09-949-016-14828	Sequence 14828, A
C 7	180.4	83.5	113876	4 US-09-949-016-14829	Sequence 14829, A
C 8	180.4	83.5	115508	4 US-09-949-016-11800	Sequence 11800, A
C 9	180.4	83.5	115508	4 US-09-949-016-14826	Sequence 14826, A
C 10	180.4	83.5	115508	4 US-09-949-016-14827	Sequence 14827, A
C 11	62	28.7	601	4 US-09-949-016-18687	Sequence 18687, A
C 12	62	28.7	601	4 US-09-949-016-111562	Sequence 111562, A
C 13	62	28.7	601	4 US-09-949-016-111710	Sequence 111710, A
C 14	62	28.7	601	4 US-09-949-016-111856	Sequence 111856, A
C 15	62	28.7	601	4 US-09-949-016-112001	Sequence 112001, A
C 16	47.6	22.0	1096	4 US-09-949-016-3086	Sequence 3086, A
C 17	47.6	22.0	1096	4 US-09-949-016-3087	Sequence 3087, A
C 18	47.6	22.0	1543	4 US-09-949-016-58	Sequence 58, A
C 19	47.6	22.0	1543	4 US-09-949-016-3084	Sequence 3084, A
C 20	47.6	22.0	1543	4 US-09-949-016-3085	Sequence 3085, A
C 21	47.6	22.0	1560	5 PCT-US94-09789-1	Sequence 1, A
C 22	40.2	18.6	409	4 US-09-513-999C-2347	Sequence 2347, A
C 23	35	16.2	421118	4 US-09-949-016-16297	Sequence 16297, A
C 24	33.4	15.5	24204	4 US-09-949-016-16232	Sequence 16232, A
C 25	33.2	15.4	22294	4 US-09-949-016-15522	Sequence 15522, A
C 26	33.2	15.4	76510	4 US-09-949-016-15521	Sequence 15521, A
C 27	33	15.3	23766	4 US-09-949-016-13569	Sequence 13569, A

C 28	32.8	15.2	119762	4 US-09-949-016-17113	Sequence 17113, A
C 29	32.6	15.1	96739	4 US-09-949-016-15606	Sequence 15606, A
C 30	32.4	15.0	192506	4 US-09-949-016-15630	Sequence 15630, A
C 31	32.2	14.9	601	4 US-09-949-016-134895	Sequence 134895, A
C 32	32.2	14.9	9968	4 US-09-949-016-17571	Sequence 17571, A
C 33	32.2	14.9	343352	4 US-09-949-016-13498	Sequence 13498, A
C 34	31.6	14.6	53558	4 US-09-949-016-16616	Sequence 16616, A
C 35	31.4	14.5	92155	4 US-09-949-016-17484	Sequence 17484, A
C 36	31.2	14.4	94830	4 US-09-949-016-12414	Sequence 12414, A
C 37	31.2	14.4	94847	4 US-09-949-016-16336	Sequence 16336, A
C 38	31	14.4	927	4 US-09-248-796A-825	Sequence 825, A
C 39	31	14.4	49011	4 US-09-949-016-14221	Sequence 14221, A
C 40	30.8	14.3	601	4 US-09-949-016-133969	Sequence 133969, A
C 41	30.8	14.3	601	4 US-09-949-016-133970	Sequence 133970, A
C 42	30.8	14.3	601	4 US-09-949-016-133971	Sequence 133971, A
C 43	30.8	14.3	601	4 US-09-949-016-133972	Sequence 133972, A
C 44	30.8	14.3	601	4 US-09-949-016-133973	Sequence 133973, A
C 45	30.8	14.3	221958	4 US-09-949-016-12173	Sequence 12173, A

ALIGNMENTS

```
RESULT 1
US-09-949-016-18686/c
; Sequence 18686, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18686
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-18686

Query Match      83.5%; Score 180.4; DB 4; Length 601;
Best Local Similarity 97.7%; Pred. No. 2.3e-50;
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTATCAGCAATTGAGCTGCTGAGACTTATGCTTGAATTTGTTTGTAGGCTC 60
    |||
DB 560 GCTATCAGCAATTGAGCTGCTGAGACTTATGCTTGAATTTGTTTGTAGGCTC 501
    |||

QY 61 CAAACCAAGGAGGAGCTGCTGAGCTGCAACAGTAGCTCATTGCTATAT 120
    |||
DB 500 CAAACCAAGGAGGAGCTGCTGAGCTGCAACAGTAGCTCATTGCTATAT 441
    |||

QY 121 -CAAGATGATATTTAAATATCTAGTATGTTGTCGCCAGTA-TCAAGATTCCTATG 178
    |||
DB 440 CCAAGATGATATTTAAATATCTAGTATGTTGTCGCCAGTATCAAGATTCCTATG 381
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QY 179 AAATGTAAACATCTGAGCA-TCTAAGACATATC 216
    |||
DB 380 AAATGTAAACATCTGAGCA-TCTAAGACATATC 342
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RESULT 2
US-09-949-016-111561/c
; Sequence 111561, Application US/09949016
; Patent No. 6812339
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GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 111561
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-111561

Query Match 83.5%; Score 180.4; DB 4; Length 601;
Best Local Similarity 97.7%; Pred. No. 2.3e-50;
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 60
DB 560 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 501
QY 61 CAAAACCAAGAGGAGGAGTGTCATGTCGTGACACACAGTAAGCTCCATTGCTTATAT 120
DB 500 CAAAACCAAGAGGAGGAGTGTCATGTCGTGACACACAGTAAGCTCCATTGCTTATAT 441
QY 121 -CAAGATGATATTTAAAGTATCTAGTATGTCGCCAGTA-TCAGATTCCTATG 178
DB- 440 CCAAGATGATATTTAAAGTATCTAGTATGTCGCCAGTA-TCAGATTCCTATG 381
QY 179 AAATTGTAAACATCACTGAGCA-TCCTAAGACATATC 216
DB 380 AAATTGTAAACATCACTGAGCA-TCCTAAGACATATC 342

RESULT 3
US-09-949-016-111709/c
Sequence 111709, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 111709
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-111709

Query Match 83.5%; Score 180.4; DB 4; Length 601;
Best Local Similarity 97.7%; Pred. No. 2.3e-50;
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;
QY 1 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 60
DB 560 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 501

DB 560 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 501
QY 61 CAAAACCAAGAGGAGGAGTGTCATGTCGTGACACACAGTAAGCTCCATTGCTTATAT 120
DB 500 CAAAACCAAGAGGAGGAGTGTCATGTCGTGACACACAGTAAGCTCCATTGCTTATAT 441
QY 121 -CAAGATGATATTTAAAGTATCTAGTATGTCGCCAGTA-TCAGATTCCTATG 178
DB 440 CCAAGATGATATTTAAAGTATCTAGTATGTCGCCAGTA-TCAGATTCCTATG 381
QY 179 AAATTGTAAACATCACTGAGCA-TCCTAAGACATATC 216
DB 380 AAATTGTAAACATCACTGAGCA-TCCTAAGACATATC 342

RESULT 4
US-09-949-016-111855/c
Sequence 111855, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 111855
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-111855

Query Match 83.5%; Score 180.4; DB 4; Length 601;
Best Local Similarity 97.7%; Pred. No. 2.3e-50;
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 60
DB 560 GCTATCGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGTAGGCTC 501
QY 61 CAAAACCAAGAGGAGGAGTGTCATGTCGTGACACACAGTAAGCTCCATTGCTTATAT 120
DB 500 CAAAACCAAGAGGAGGAGTGTCATGTCGTGACACACAGTAAGCTCCATTGCTTATAT 441
QY 121 -CAAGATGATATTTAAAGTATCTAGTATGTCGCCAGTA-TCAGATTCCTATG 178
DB 440 CCAAGATGATATTTAAAGTATCTAGTATGTCGCCAGTA-TCAGATTCCTATG 381
QY 179 AAATTGTAAACATCACTGAGCA-TCCTAAGACATATC 216
DB 380 AAATTGTAAACATCACTGAGCA-TCCTAAGACATATC 342

RESULT 5
US-09-949-016-112000/c
Sequence 112000, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755

LENGTH: 115508
TYPE: DNA
ORGANISM: Human
US-09-949-016-11800

Query Match 83.5%; Score 180.4; DB 4; Length 115508;
Best Local Similarity 97.7%; Pred. No. 2.2e-49;
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGAAGGCTC 60
DB 10743 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGAAGGCTC 10802
QY 61 CAAAACCAAGGAGGAGTGCTGATGCTGCAACAGGTAAGCTCCATTGCTTATAT 120
DB 10803 CAAAACCAAGGAGGAGTGCTGATGCTGCAACAGGTAAGCTCCATTGCTTATAT 10862
QY 121 -CAAGATGATATNTAAGTATCTAGTATGTTGGCCCAAGTA-TCAAGATTCCTATG 178
DB 10863 CCAAGATGATATNTAAGTATCTAGTATGTTGGCCCAAGTA-TCAAGATTCCTATG 10922
QY 179 AAATGTAAACAATCACTAGCA-CTTAAGAACATATC 216
DB 10923 AAATGTAAACAATCACTAGCACTTCTTAAGAACATATC 10961

RESULT 9
US-09-949-016-14826
Sequence 14826, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 14826
LENGTH: 115508
TYPE: DNA
ORGANISM: Human
US-09-949-016-14826

Query Match 83.5%; Score 180.4; DB 4; Length 115508;
Best Local Similarity 97.7%; Pred. No. 2.2e-49;
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGAAGGCTC 60
DB 10743 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGAAGGCTC 10802
QY 61 CAAAACCAAGGAGGAGTGCTGATGCTGCAACAGGTAAGCTCCATTGCTTATAT 120
DB 10803 CAAAACCAAGGAGGAGTGCTGATGCTGCAACAGGTAAGCTCCATTGCTTATAT 10862
QY 121 -CAAGATGATATNTAAGTATCTAGTATGTTGGCCCAAGTA-TCAAGATTCCTATG 178
DB 10863 CCAAGATGATATNTAAGTATCTAGTATGTTGGCCCAAGTA-TCAAGATTCCTATG 10922
QY 179 AAATGTAAACAATCACTAGCA-CTTAAGAACATATC 216
DB 10923 AAATGTAAACAATCACTAGCACTTCTTAAGAACATATC 10961

RESULT 10

US-09-949-016-14827
Sequence 14827, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 14827
LENGTH: 115508
TYPE: DNA
ORGANISM: Human
US-09-949-016-14827

Query Match 83.5%; Score 180.4; DB 4; Length 115508;
Best Local Similarity 97.7%; Pred. No. 2.2e-49;
Matches 214; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

QY 1 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGAAGGCTC 60
DB 10743 GCTAATCAGCAATTTAAGGCTTGAAGACTTATGCTTGAATTTGTTTGAAGGCTC 10802
QY 61 CAAAACCAAGGAGGAGTGCTGATGCTGCAACAGGTAAGCTCCATTGCTTATAT 120
DB 10803 CAAAACCAAGGAGGAGTGCTGATGCTGCAACAGGTAAGCTCCATTGCTTATAT 10862
QY 121 -CAAGATGATATNTAAGTATCTAGTATGTTGGCCCAAGTA-TCAAGATTCCTATG 178
DB 10863 CCAAGATGATATNTAAGTATCTAGTATGTTGGCCCAAGTA-TCAAGATTCCTATG 10922
QY 179 AAATGTAAACAATCACTAGCA-CTTAAGAACATATC 216
DB 10923 AAATGTAAACAATCACTAGCACTTCTTAAGAACATATC 10961

RESULT 11
US-09-949-016-18687/C
Sequence 18687, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18687
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-18687

Query Match 28.7%; Score 62; DB 4; Length 601;
Best Local Similarity 96.6%; Pred. No. 9e-11;
Matches 84; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

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; SEQ ID NO 112001
; LENGTH: 601
; TYPE: DNA

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; ORGANISM: Human
US-09-949-016-112001

Query Match 28.7%; Score 62; DB 4; Length 601;
Best Local Similarity 96.6%; Pred. No. 9e-11;
Matches 84; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

Qy	132	TTTAAAGTATCTAGTGAATTAGTGTGCCCCAGTA-TCAAGATTCTATGAAATTGTAAAC	190
Db	601	TTTAAAGTATCTAGTGAATTAGTGTGCCCCAGTATCAAGATTCTATGAAATTGTAAAC	542
Qy	191	AATCACTGAGCA-TCTAAGACATATC	216
Db	541	AATCACTGAGCATCTAAGACATATC	515

Search completed: August 13, 2005, 21:57:00
Job time : 114 secs